

AMENDMENT TO THE CLAIMS

Sub D1
C1
Unit

1.(Currently Amended) A ~~data storage device for storing and accessing data in tracks on a medium, the storage device having a suspension comprising:~~
a metal material defining at least a portion of the suspension;
an adhesive bonded to a portion of the metal material; and
a composite material having a higher stiffness to weight ratio than the metal material and being bonded to the same adhesive layer that is bonded to the metal material .

2.(Currently Amended) The ~~data storage device~~suspension of claim 1 wherein the metal material defines a load beam of the suspension and the adhesive and the composite material are positioned on the load beam.

3.(Withdrawn-Currently Amended) The suspension ~~data storage device~~ of claim 1 wherein the metal material defines a base area of the suspension and the adhesive and the composite material are positioned on the base area.

4.(Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the metal material defines a spring area having a first bonding area, the composite material defines a load beam having a second bonding area and the adhesive is bonded between the first bonding area and the second bonding area.

5. (Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the metal material defines a spring area having a first bonding area, the composite material defines a base area having a second bonding area and the adhesive is bonded between the first bonding area and the second bonding area.

6.(Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the composite material comprises a high performance plastic.

7.(Currently Amended) The suspension~~data storage device~~ of claim 6 wherein the composite material comprises a liquid crystal polymer.

8.(Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the composite material comprises a reinforced plastic.

9.(Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the composite material comprises a metal matrix composite.

10.(Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 9 wherein the metal matrix composite comprises aluminum with alumina fibers.

11. (Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the composite material comprises a ceramic material.

12.(Withdrawn-Currently Amended) The suspension~~data storage device~~ of claim 1 wherein the composite material comprises a glass material.

13.(Currently Amended) A suspension for a data storage device, the suspension comprising:

a suspension body formed from a layer of metal; and

a composite stiffener formed from a composite material and bonded directly to a portion of the suspension body by an single adhesive layer.

14.(Withdrawn) The suspension of claim 13 wherein the composite stiffener is bonded to a base area of the suspension body.

15.(Original) The suspension of claim 13 wherein the composite stiffener is bonded to a load beam of the suspension body.

16.(Original) The suspension of claim 13 wherein the composite material comprises a high performance plastic.

17.(Withdrawn) The suspension of claim 13 wherein the composite material comprises a reinforced plastic.

18.(Withdrawn) The suspension of claim 13 wherein the composite material comprises a metal matrix composite.

19.(Withdrawn) The suspension of claim 13 wherein the composite material comprises a ceramic material.

20.(Withdrawn) The suspension of claim 13 wherein the composite material comprises a glass material.

21.(Currently Amended) A suspension for a storage device, the suspension comprising:

a suspension body formed from a layer of metal; and

stiffener means formed of a composite material for increasing the stiffness of selected areas of the suspension and bonded directly to the suspension body by an single adhesive layer.

22.(Withdrawn) The suspension of claim 21 wherein the stiffener means comprises a composite material bonded to a base area of the suspension body.

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23.(Original) The suspension of claim 21 wherein the stiffener means comprises a composite material bonded to a load beam of the suspension body.

24.(Original) The suspension of claim 21 wherein the stiffener means comprises a composite material having a higher stiffness to mass ratio than the layer of metal.

25.(Withdrawn) The suspension of claim 21 wherein the stiffener means comprises a metal matrix.
